

## University of Dundee

### Infographics and digital resources

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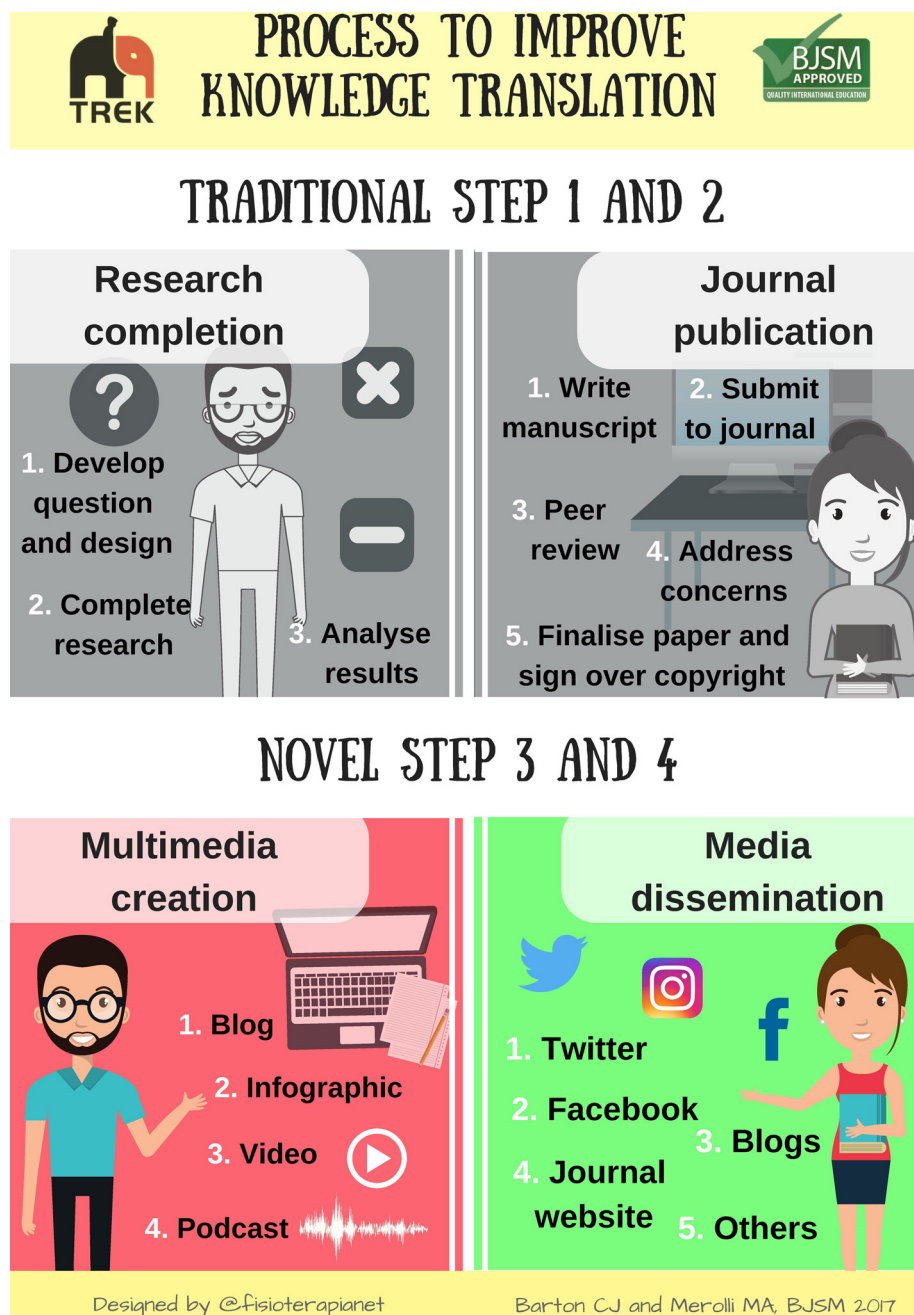
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# Infographics and digital resources: an international consensus on golf and health

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**Figure 1** Visual representation of a process to improve knowledge translation based on Barton and Merolli's model.<sup>2</sup>

## INTRODUCTION

New knowledge from research findings rarely produces rapid efficient changes in practice.<sup>1</sup> Barton and Merolli<sup>2</sup> proposed a model which may help improve knowledge translation via the addition of two novel contemporary steps: multimedia

creation and subsequent dissemination (see figure 1).

Following this model, we recently produced digital/multimedia resources to help communicate and disseminate the International Consensus on Golf and Health.<sup>3</sup>

## RESEARCH COMPLETION AND PUBLICATION

A systematic literature review and modified Delphi process underpinned the International Consensus on Golf and Health and this was published in the *British Journal of Sports Medicine* in 2018.<sup>3</sup> The

Consensus is intended to support (1) golfers and potential golfers; (2) golf facilities and the golf industry; and (3) policy makers to make evidence-informed decisions that can maximise the health benefits of golf and minimise the health risks associated with this sport.

### MULTIMEDIA CREATION

Articles containing visual information are read three times more often than those without.<sup>4</sup> Humans remember up to 6.5

times more through learning from visual imagery than by reading text alone.<sup>5</sup> This makes sense. How many text-only adverts do you see? What is your reaction to a wordy PowerPoint presentation? We produced bite-sized resources (infographics, podcasts and video content) with the key messages stemming from the consensus statement.<sup>3</sup>

Infographics have been made to support end-user groups: (1) golf players/potential players; (2) the golf industry/facilities; and

(ii) policy makers external to golf. These visual resources highlight the specific actions that can lead to the biggest gains in health and well-being related to golf (see figures 2–4). They complement published infographics regarding golf and health<sup>6</sup> and maximising golf performance.<sup>7</sup>

Video content was designed to have broad interest. We featured leading players who had won multiple major championships as well as researchers, clinicians and public health ministers. These are available

## PLAYING GOLF CAN MAKE YOU HEALTHIER & HAPPIER

HERE'S ARE SOME TOP TIPS TO MAXIMISE THESE BENEFITS

### PLAY REGULARLY

Aim to play golf or other physical activities at least 150 minutes per week, helping you meet global exercise guidelines



### WALK THE COURSE

Walk the course, as opposed to riding a golf cart, if able.



### WARM UP

Do some aerobic exercise, stretching/ mobility exercises, then practice swings to maximise performance and minimise injury risk.



### HELP OTHERS

To feel welcome, and encourage others to play golf or take part in other physical activities.



### PROTECT YOUR SKIN

Using sunscreen and appropriate clothing (collared shirt, hat, etc). Avoid excessive exposure to direct sunlight



### FIT FOR GOLF

Appropriate strength and conditioning exercises can decrease injury and illness risk, and improve performance



### BE SAFE

Follow appropriate safety, golf cart safety, and lightning safety guidelines.



INTERNATIONAL CONSENSUS ON GOLF & HEALTH BJSM 2018

Infographic by: Dr Danny Glover & Dr Andrew Murray 2018

Golf & Health

Figure 2 Infographic. Tips to maximise health benefits of golf for golfers.

# WHAT CAN THE GOLF INDUSTRY/FACILITIES DO TO MAXIMISE THE HEALTH BENEFITS OF GOLF?



**Figure 3** Infographic. What can the golf industry/golf facilities do to maximise the health benefits of golf?.

at [www.golfandhealth.org](http://www.golfandhealth.org). A podcast with more detail discussing the International Consensus on Golf on Health is available at <https://soundcloud.com/bmjpodcasts/sets/bj-sm-1>. It offers researchers and others interested a 'deeper dive' into the methods and findings.

## DISSEMINATION AND COMMUNICATION

Infographics and other multimedia/digital resources facilitate the sharing of key messages and engagement with research.

They are not a substitute for reading the detailed peer reviewed article. Strategies<sup>8</sup> for sharing content can include:

- ▶ social media platforms (eg, via Twitter, Facebook, Instagram and blogs)
- ▶ email, plus or minus press release distribution
- ▶ direct communications including discussions, meetings and presentations targeting relevant stakeholders.

We used these strategies to share our previous scoping review on golf and

health.<sup>9</sup> This approach to sharing new research may have contributed to this manuscript being the subject of over 90 press articles, a supportive Early Day Motion in the UK parliament and achieving an Altmetric score >1300.

## CONCLUSION

Barton and Merolli's model offer researchers strategies to increase the visibility of their work. After conducting an International Consensus on Golf and Health and publishing it in the BJSM, we





**Figure 4** Infographic. Golf and Health: key actions for policy/decision makers.

shared bite-sized multimedia resources to assist the dissemination and communication of the consensus. The BJSM is well positioned to support researchers who wish to produce similar digital resources. Options include, but are not limited to, co-producing podcast and blog content, and sharing purpose-created digital resources via popular Twitter, Facebook, Instagram and YouTube platforms.

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**Contributors** ADM, CJB, IRM, DA and RAH identified the framework and wrote the text. ADM, DG and KB produced and refined the digital assets. All authors commented on drafts and contributed to the development of the final manuscript and assets.

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